



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for May 16, 2014
Ed Kearns, Acting Chief

			Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release		
	CDR	PI TM	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov
2	Cloud Properties	Heidinger Knapp	x	x	x	x	17-Mar	11-Jan	x	16-Jan	x	x	13-May	14-Jan	x	30-Jan	21-Apr	x		16-Jan	In Progress	5-Mar		x			In Progress			May 2014
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov	14-May	6-Nov		6-May	7-May			May 2014
5	MSU TCDR	Zou Semunegus	x	IP 23-Dec	25-Feb	25-Feb	25-Feb	25-Feb	25-Feb	19-Mar	4-Mar	4-Mar	4-Mar	4-Mar	4-Mar	26-Mar	28-Mar	31-Mar	31-Mar	31-Mar	28-Mar	2-Apr		2-May	8-May	25-Apr	1-Apr			May 2014
6	OLR Daily	HT Lee Shreck	x	x	June	6-Jan	May	11-Jan	30-Jan			10-Jan		14-Jan				15-Jan		15-Jan										May 2014
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec	3-Apr		19-Feb	25-Nov	ATRAC	16-Dec				13-Dec															Jun 2014
10	Stratospheric (Ozone)	Rosenlof Young	x	x			20-Mar		30-Oct 4-Apr	ATRAC			27-Mar		6-Jan															Jul 2014
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	IP 20-Dec			20-Mar	12-Mar	12-Mar				25-Apr	20-Mar	25-Apr															Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x	22-Nov		14-Feb	31-Dec	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb	14-Feb	18-Feb						14 TB May					60 TB			Aug 2014	
14	Vegetation (LAI/FAPAR)	Vermote Matthews	x	17-Jan	24-Jun	2-Jul	26-Jul	7-May		6-Nov	29-May	9-Jul	22-Aug			8-Nov		1-Nov											Sep 2014	
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct 10-Jan								NCDC creating								Sep 2014	
16	CMORPH	Xie Prat	x																											Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC	9-May																			Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC	9-May																			Nov 2014
19	ISCCP	Rossow Knapp	x	17-Jan																										Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng	x	PI says NO deliverables																										Dec 2014
21	Tropospheric Height	Ho Shi	x	On Hold																										Dec 2014



	CDR	PI TM	Assessment		Deliver source code sample and README draft	Deliver Drafts				Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release				
			Assemble IPT	Perform Assess- ment	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR		
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	1) Complete																												7- Nov
2	Could Properties	Heidinger Knapp	2) Data transfer in progress (5 yrs received so far). Provided feedback on C-ATBDs																												May 2014
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	3-4) All data has been archived, request Access place on ftp; drafted press release; prepping for ORR																												May 2014
5	MSU TCDR	Zou Semunegus	5) All docs put in the Library; Security review complete, code package archived. Completed CDR Overview flyer																												May 2014
6	OLR Daily	HT Lee Shreck	6) PI serving data until ORR is complete (fills gap from ESRL)																												May 2014
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	7-9) Anomaly in Pacific persists for 14 days then fades out (caused by no data until the 13th). IPT telecon set up for next week																												Jun 2014
10	Stratospheric (Ozone)	Rosenlof Young	10) Received updated sample data																												Jul 2014
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	11-12) Reviewing TCDR C-ATBD; Feedback sent on metadata																												Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	13) 60TB dataset – Will deliver in segments (first 14 TB should be available in May), AB plans to put into CLASS																												Aug 2014
14	Vegetation (LAI/FAPAR)	Vermote Matthews	14)																												Sep 2014
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	15) May change SA to be with NCDC, get the L1B Patmos input data from UW and use their 10 yrs output for validation																												Sep 2014
16	CMORPH	Xie Prat	16) Start work in FY14 – but low priority																												Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	17) Received updated code package (headers look good, easy to run IDL script)																												Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar	18) Ran IDL script, output failed netCDF checker; IPT telecon set up for next week																												Nov 2014
19	ISCCP	Rossow Knapp	19) Anand/Alisa/Bill found coding error; they were able to step through one month of processing																												Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng	20) CIRES money in place; PI says there are NO deliverables with a grant - will need to monitor closely																												Dec 2014
21	Tropospheric Height	Ho Shi	21) Low Priority																												Dec 2014

CDRP Open Change Requests

Name of CDR	C-ATBD	Data Flow Diagram	Maturity Matrix	VDD	Source Code	NetCDF sample	Dataset	Request to Archive	Approved for Archive	SA	DSRR
AVHRR Reflectance - PATMOS-x	No change	√	No change	N/A	√ needs to be archived	√	R. McFadden is pulling the dataset in 5 yr increments	√	√	Mar-14	Mar-14
Geostationary IR Channel Brightness Temperature - GridSat B1	Needed, TBD	No change	Needed, TBD	N/A	√ needs to be archived	√	√	√	√	√	Aug-13
HIRS Ch12 Brightness Temperature	√	No change	√	N/A	√ needs to be archived	√	√	√	√	√	Apr-14
Sea Surface Temperature - Pathfinder	Feb-14	No change	No change	√	Mar-14	Provider needs to submit final sample		√	Pending	Pending archival decision	
Outgoing Longwave Radiation - Monthly	No change	No change	No change	N/A	√ needs to be archived	√	Need approval appraisal and DSRR, PI has data set ready to send	√	Pending	Currently being updated	
PERSIANN-CDR	√	No change	No change	N/A	√ needs to be archived	Provider needs to submit final sample	Needed, TBD	N/A per Nancy Ritchey	N/A per Nancy Ritchey	Out for PI review	



CDR Program Office

NPP/JPSS Climate Raw Data Records (C-RDRs) Project

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VIIRS

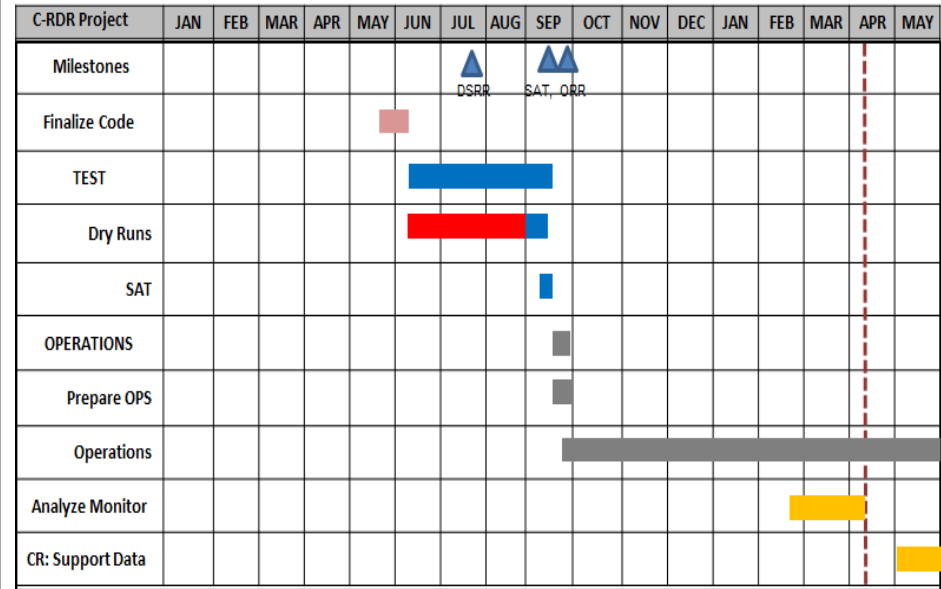
①

- Completed code for C-RDR.

②

System Infrastructure

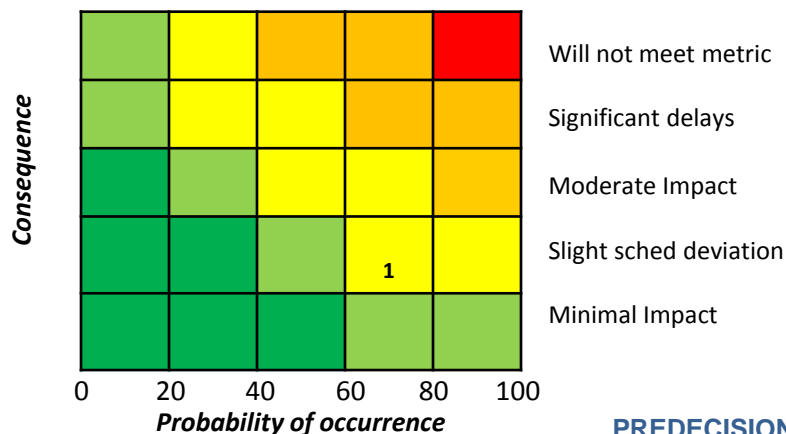
- Integrating with the VIIRS C-RDR.
- Presented the C-RDR s at the STAR JPSS science meeting.
- Presentation and poster were well recieved.
- C-RDR web page is up and running.
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment .
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- Will deliver initial version with ADL 3.1.



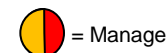
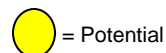
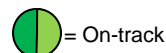
R2O PHASE:



Risk Matrix



PREDECISIONAL DRAFT INFORMATION



= On-track

= Potential management action required

= Management attention required

Risk and Mitigation

Forward processing of C-RDRs is ongoing operationally. Need to reprocess past C-RDRs and create Support Data files. Will assess this need as users request.



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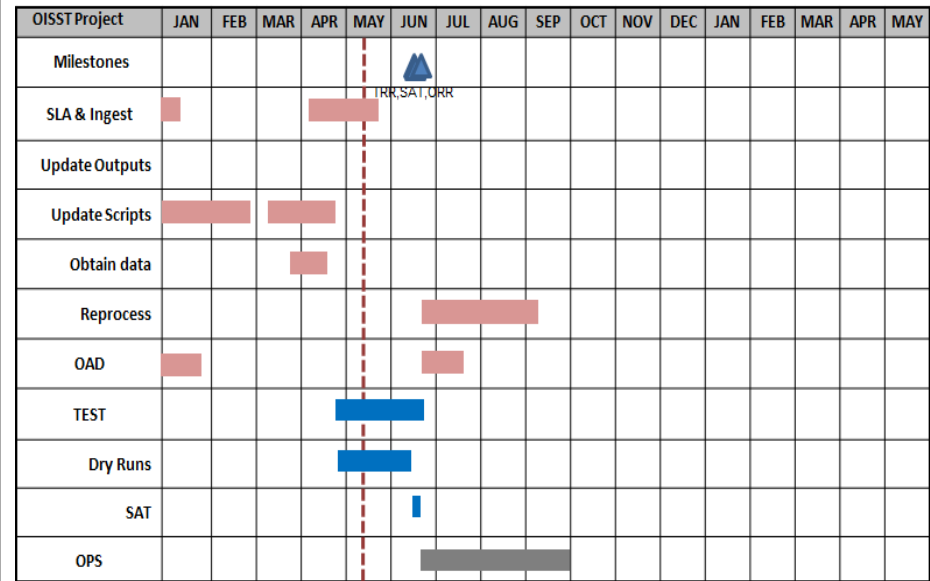
OISST Research to Operations Project

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1 OISST – Optimum Interpolated Sea Surface Temperature

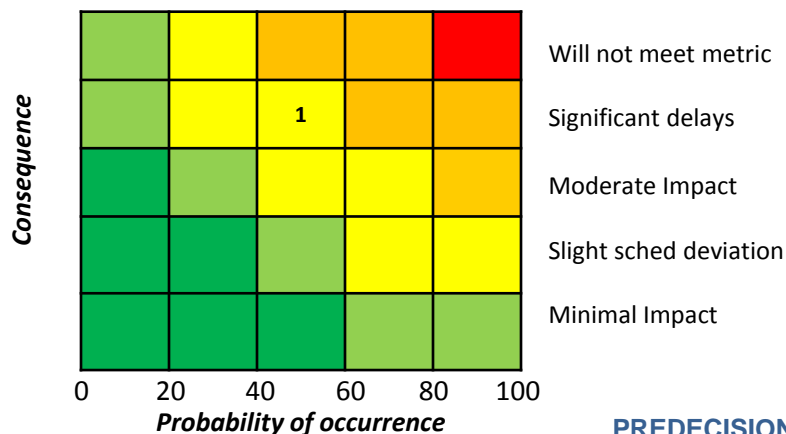
- Gathering test data for the SAT.
- Completed GHRSSST 2.0 output format review. Working on action items from the review.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix

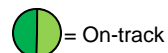


Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

5/20/2014



= On-track = Potential management action required = Management attention required



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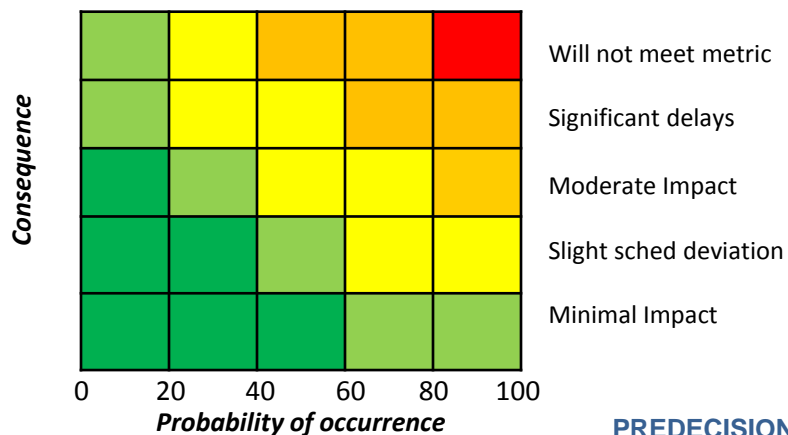
Operations Monitoring Tool

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1 Operations Monitoring Tool development

- Created a Project Plan.
- Monitoring of ingest and archive data streams.
- Monitoring of operational processing.

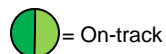
Risk Matrix



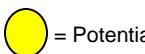
Risk and Mitigation

PREDECISIONAL DRAFT INFORMATION

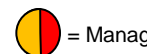
5/20/2014



= On-track



= Potential management action required



= Management attention required